

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A method of printing a data stream being presented to a printer, said data stream adapted to enable said printer to print on one or more sheets of paper information in accordance with said data stream, said data stream containing data bits useful for controlling functions additional to said printing information in accordance with said data stream, said method comprising:

abstracting at least a portion of said data bits from said data stream with a postal printer driver, wherein said data stream is provided by an application which has not been adapted to control said additional functions and said abstracting includes examining said data stream for data patterns native to output of said application;

using at least some of said abstracted data bits for controlling at least one of said additional functions, wherein said at least one of said additional functions comprises printing of a postage indicia; and

creating, from said abstracted data bits, a separate data stream for controlling the printing of said postage indicia.

2. (Previously Presented) The method claim 1 wherein said at least one additional function further comprises printing of address information on material separate from said printing information in accordance with said data stream.

3. (Previously Presented) The method of claim 1 wherein said at least one additional function further comprises the printing of a postage indicia on material separate from said printing information in accordance with said data stream.

4. (Previously Presented) The method of claim 1 wherein said at least one additional function further comprises a dialog box for allowing options from a user.

5. (Canceled)

6. (Previously Presented) The method of claim 1 wherein said at least one additional function further comprises directing the abstracted portion to multiple locations.

7. (Previously Presented) The method of claim 1 wherein said at least one additional function further comprises storage in a memory.
8. (Previously Presented) The method of claim 1 wherein said at least one additional function further comprises directing the abstracted portion to a viewable medium.
9. (Previously Presented) The method of claim 1 wherein said at least one additional function further comprises the changing of form of the data.
10. (Previously Presented) The method of claim 1 wherein said at least one additional function further comprises the delivery of said data to a location remote from said printer driver.
11. (Previously Presented) The method of claim 1 wherein said at least one additional function further comprises the change in at least one of location and format of the data based upon an interaction between certain data in said data stream and data stored in said printer driver.
12. (Previously Presented) The method of claim 1 wherein said printer driver is operable on said data stream coming from said application operating in a computing device to control at least a portion of the printing of said printer.
13. (Previously Presented) The method of claim 12 wherein said printer driver is located remote from said computing device.
14. (Previously Presented) The method of claim 12 wherein said printer driver is located within said printer.
15. (Cancelled)
16. (Previously Presented) The method of claim 1 wherein said data patterns are selected from the list including:
return address, destination address, mailing date, number of pages, type of inserts,

mailing service type, postage indicia, bar codes, tracking codes, control codes, graphics, application types.

17. (Previously Presented) A method of printing a data stream being presented to a printer, said data stream adapted to enable said printer to print on one or more sheets of paper information in accordance with said data stream, said data stream containing data bits useful for controlling functions additional to said printing information in accordance with said data stream, said method comprising:

abstracting at least a portion of said data bits from said data stream;

using at least some of said abstracted data bits for controlling at least one of said additional functions, wherein said at least one of said additional functions comprises printing of a postage indicia; and

creating, from said abstracted data bits, a separate data stream for controlling the printing of said postage indicia;

wherein said printer driver is operable on said data stream coming from a program operating in a computing device to control at least a portion of the printing of said printer, wherein said abstracting includes examining said data stream for preestablished data patterns, and wherein said preestablished data patterns include the beginning and ending of postage indicia data.

18. (Previously Presented) The method of claim 1 wherein said additional function further comprises the printing of said postage indicia on a document other than the document to which said data stream is being directed.

19. (Previously Presented) The method of claim 1 wherein said data patterns include the beginning and ending of address information contained within said data stream.

20. (Cancelled)

21. (Previously Presented) The method of claim 1 wherein said data patterns include the beginning and ending of each document to be printed.

22. (Previously Presented) The method of claim 1 wherein said data patterns include the number of pages of a document.

23. (Previously Presented) A method of printing information on a printed document, said method comprising the steps of:

sending a data stream to a printing device;

reviewing said data stream to create therefrom a separate data stream for controlling additional functions with respect to printing of documents, wherein said separate data stream includes data accepted from a source other than said data stream to said printing device;

maintaining in a secure memory an amount available for controlling the generation of a postage indicia;

calculating under joint control of said secure memory and said separate data stream an amount of postage to be applied to a particular document to be printed;

deducting said calculated postage amount from said secure memory if said calculated postage amount is available in said secure memory; and

printing information from said data stream in accordance with said additional functions.

24. (Original) The method of claim 23 wherein said additional functions are selected from the list including printing address information, printing postage indicia, folding a printed document, stuffing a printed document into an envelope, creating a mailing address for the delivery of a printed document, creating a postage indicia, creating an auxiliary document in association with a printed document, controlling a second printer operating in conjunction with said printer, verifying the address, normalizing the address, adding delivery bar codes.

25. (Previously Presented) The method of claim 23 wherein said reviewing step includes the step of:

copying from said data stream portions of said data stream.

26. (Previously Presented) The method of claim 25 wherein said portions include address information with respect to a particular document to be printed.

27. (Original) The method of claim 26 further including the step of:

creating from said copied address information a postage indicia.

28. (Canceled)

29. (Canceled)

30. (Previously Presented) The method of claim 25 wherein said portions include postage indicia information with respect to a particular document to be printed.

31. (Original) The method of claim 23 wherein said reviewing step includes the step of enabling a dialog box.

32. (Previously Presented) The method of claim 31 wherein said dialog box interacts with a user to provide at least one of the following:

return address and logo;

date of mailing;

address verification/prompt for insufficient information;

review scanned data;

hints for scanning data stream;

additional cover page information or label/envelope customization;

delivery (mail service, fax, e-mail, etc.) ; and

options (postage amount, paper weight, weight of inserts, additional mail services).

33. (Previously Presented) A computer program product, embodied on a computer-readable medium, for use in association with a data stream being directed to a general purpose printer when executed, said data stream adapted to enable said printer to print information in accordance with said data stream, said computer program product comprising:

an abstracting program operable for reviewing said data stream to obtain from said data stream a separate data stream for controlling additional printing operations ancillary to said printing operation, wherein said one ancillary operation further comprises the acceptance of data from a source other than said data stream, wherein said data stream is provided by an application which has not been adapted to control said additional printing operations; and

a controller working in cooperation with said abstracting program and with said separate data stream for enabling at least one said ancillary printing operation, wherein said at least one

ancillary operation comprises the printing of a postage indicia on material separate from material on which printing of said information is occurring.

34. (Previously Presented) The computer product of claim 33 wherein said at least one ancillary operation comprises the printing of address information on material separate from material on which printing is occurring.

35. (Canceled)

36. (Canceled)

37. (Original) The computer product of claim 33 wherein said computer product is operable on said data stream coming from a general purpose computing device.

38. (Original) The computer product of claim 37 wherein said computer product is located remote from said computing device.

39. (Original) The computer product of claim 37 wherein said computer product is located within said printer.

40. (Previously Presented) The computer product of claim 33 wherein said abstracting program includes:

a control program for examining said data stream for certain preestablished data patterns, wherein said control program examines said data stream for data patterns native to output of said application.

41. (Previously Presented) A computer program product, embodied on a computer-readable medium, for use in association with a data stream being directed to a general purpose printer when executed, said data stream adapted to enable said printer to print information in accordance with said data stream, said computer program product comprising:

an abstracting program operable for reviewing said data stream to obtain therefrom a separate data stream for controlling additional printing operations ancillary to said printing operation; and

a controller working in cooperation with said abstracting program and with said separate

data stream for enabling at least one said ancillary printing operation, wherein said at least one ancillary operation comprises the printing of a postage indicia on material separate from material on which printing of said information is occurring;

wherein said abstracting program includes a control program for examining said data stream for certain preestablished data patterns, and wherein said certain preestablished data patterns include the beginning and ending of postage indicia data.

42. (Previously Presented) The computer product of claim 40 wherein one said ancillary operation comprises the printing of said postage indicia on a document other than the document to which said data stream is being directed.

43. (Original) The computer product of claim 40 wherein said certain preestablished data patterns include the beginning and ending of address information contained within said data stream.

44. (Original) The computer product of claim 43 wherein said computer product further contains:

a program for creating from said address information data for controlling the printing of a postage indicia.

45. (Original) The computer product of claim 43 wherein said certain preestablished data patterns include the beginning and ending of each document to be printed.

46. (Previously Presented) The computer product of claim 40 wherein said data patterns are selected from the list including:

return address, destination address, mailing date, number of pages, type of inserts, mailing service type, postage indicia, bar codes, tracking codes, control codes.

47. (Previously Presented) The method of claim 1, wherein said at least one additional function further comprises accepting data from a source other than said data stream.

48. (New) The method of claim 1 further comprising:
controlling the abstraction from said data stream by a code embedded in said data stream.

49. (New) The method of claim 17 further comprising:
controlling the abstraction from said data stream by a code embedded in said data.

50. (New) The computer program product of claim 33 wherein said abstraction
program is controlled by a code embedded in said data stream.

51. (New) The computer program product of claim 41 wherein said abstraction
program is controlled by a code embedded in said data stream.